MISSOURI Mechanical Integrity Test

	6/19/12	001-001	E. L. alta	- 4 No.	1
Operator: Address:			Exploration	1 - Deve	10pm ent
	Brad Kran	ner			
	913-451-		0	211	
	Belton Ass		Well No.: R Permit No.: _		38
		TEST	INFORMAT	ION	
Pressure	e X	Radioactive	Tracer Survey		Temperature Surve
		Run #1	Run #2	Run #3	Run #4
A	Start Time:	1:45			
*,	STATE OF THE STATE	2:20			
	ngth of Test:	35 min			
	essure (PSI):	600			
Ending Pre	essure (PSI):	580			
Press	sure Change:	20			
			A		X I
		, nitrogen, CO2	2, etc.):A/ſ		
Perforations:	NIA				
Comments: _		X .433 =			
A STATE OF THE STA	Cut t-stad go	t start in vol	1 1 1 600	al a ata	
11 1-440m 0	I the tested zor	ne is shut in wi	th ruson	of ala	depth of
The bottom on signing the	form below, i	t is certified that	at the above ind	icated well w	as tested for mechan
The bottom of the night on the	e form below, in the test date sho	it is certified thown above.	at the above ind	icated well w	vas tested for mecha
The bottom on signing the integrity on the	form below, in test date sho	it is certified thown above.	at the above ind	licated well w	as tested for mecha
ntegrity on th	ne test date sho Oan Bea	it is certified that own above.		licated well w	Title
ntegrity on th	ne test date sho Pan Be perator, Contact	own above.		licated well w	
ntegrity on th	ne test date sho Pan Be perator, Contact	own above.		licated well w	
ntegrity on th	Derator, Contact	own above.	oved Agent	Computer Up	Title

38 48°.





STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

FEB 22 2012 FORM OGC-31

INJECTION WELL PERMIT APPLICATION (TO DRILL, DEEPEN, PLUG BACK, OR CONVERT AN EXISTING WELL)

	1.00					5501	IVIO L	111000	CAU
NOTE ▶		oval for drill i nd official noti		t injection . Approva n.	al or denial for injec	ction determin	2 8 7 8		
✓ APPLIC			☐ DEE	PEN PLU	JG BACK [FOR AN			GAS WELL
NAME OF COMP				11.0			DATE		
Kansas Res	ource Explo	ration & De	velopment	, LLC	CITY		STATE	5/2012	CODE
9393 W 110	th Street Su	iite 500			Overland Park		KS	662	
DESCRIPT			ASE	HE THERE	o vonana v ark	ES HOUSE			
NAME OF LEASE					WELL NUMBER		ELEVA	ATION (GROUN	D
Belton Unit					RW-24		1089	feet	
WELL LOCATION	1	4700			GE FROM SECTION LI				
WELL LOCATION	J.	4722 ft. f	from Nor	th 🛮 South section li	ne <u>1441</u> ft. f	rom 🕢 East [LONGITUDE	West section	n line	
		North R	ange 33	☐ East ☑ West		W94 34	18.5" Cass		
				PROPERTY OR LEAS			0000		
				T DRILLING, COMPLET			THE SAME LEA	SE 14 FE	EET
PROPOSED DEP		OR CABLE TOO		NG CONTRACTOR, NAME					ATE WORK WILL START
550 feet	Rotary		Utah	Oil, LLC				03/01/20	12
NUMBER OF ACI	RES IN LEASE	NUMBER O	F WELLS ON	LEASE INCLUDING TH	IS WELL, COMPLET	ED IN OR DRI	LLING TO THIS	RESERVOIR	87
560		NUMBER O	F ABANDONE	ED WELLS ON LEASE	0				
IF LEASE PUR	CHASED WITH	ONE OR MO	RE WELLS D	RILLED, FROM WHOM	PURCHASED?		NO. OF WELL	S PROD	DUCING 50
NAME DE E	xploration							INJE	ECTION <u>28</u>
ADDRESS 45		K33, Well	sville, KS 6	6092					ACTIVE 8
								1	DONED 0
STATI	JS OF BOND	,	SINGLE V AMOUNT			NKET BOND UNT \$ 80,00	OK	Z ON	FILE TACHED
REMARKS: (IF T	HIS IS AN APPLI	CATION TO DEE	PEN OR PLUG	BACK, BRIEFLY DESCRIB					
	PPOF	POSED CASIN	C DDOCDAN		APPRO	/ED CASING	TO BE FILLED	IN DV STATE	GEOLOGIST
AMOUNT		ZE CASIN	WT/FT	CEM.	AMOUNT	SIZ		WT/FT	CEM.
20'		7"	14	5 sks	20'	7 "	,	14	FULL
650'		7/8"	6.5	125 sks	650	278	/	.5	Length
							9		9.
l, the Unders report, and t complete to	hat this repo	ort was prep	pared unde	of the <u>KRED</u> (Cor or my supervision a	mpany), and that nd direction and	I am author that the fact	rized by said o	company to ein are true	o make this e, correct, and
SIGNATURE	10 /						02/18	/2012	
APPROVED BY	37-2	0881	Man	☐ SAMPLES RE	SIS REQUIRED IF R QUIRED	UN 🖄	E-LOGS REQU		REQUIRED IF RUN
NOTE ▶	THIS PERM	MIT BY THE	OIL AND	ABLE TO ANY OTH GAS COUNCIL DO ELL NOR ENDOR	DES NOT CONS	STITUTE EN	DORSEMEN	T OF THE	GEOLOGIC

REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM, PO BOX 250, ROLLA, MO 65402 573/368-2143.

RECEIVED

ONE (1) COPY WILL BE RETURNED.

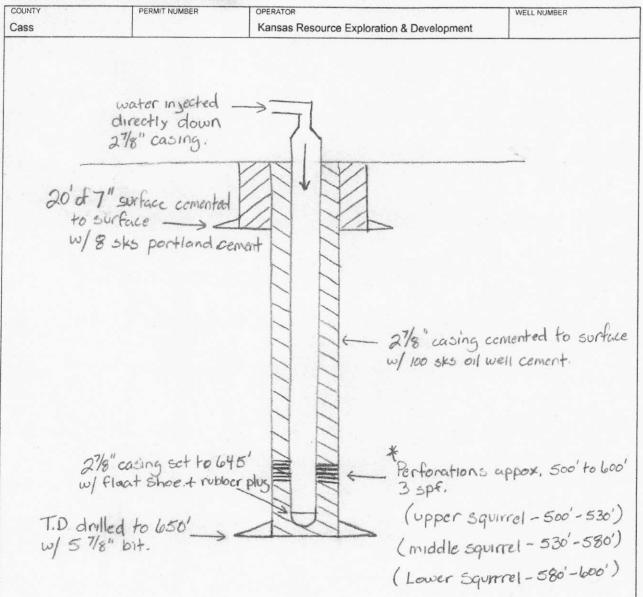
	f the (Company), confir this permit will be shown on th	m that an approved d iis form by presence	drilling peri of a permi	mit has bee t number a	ınd signatur	e of autho	orized c	this well Wouncil ouncil representative. Gas Council
DRILLER'S SIGN	NATURE	· · · · · · · · · · · · · · · · · · ·				DAT		
PROPOSE	D OPERATIONS DATA					THE SECTION	Ly bank	
PROPOSED	AVERAGE DAILY INJECTION,	PRESSURE 300	PSIG, RA	TE 300	BPD/GPM,	VOLUME	100	BBL/GAL
	AVERAGE DAILY INJECTION, ED IN BY STATE GEOLOGIST)	PRESSURE 300	PSIG, RA	TE <u>300</u>	BPD/GPM,	VOLUME	100	BBL/GAL
PROPOSED	MAXIMUM DAILY INJECTION,	PRESSURE 300	PSIG, RA	TE 300	BPD/GPM,	VOLUME	100	BBL/GAL
	MAXIMUM DAILY INJECTION, ED IN BY STATE GEOLOGIST)	PRESSURE 300	PSIG, RA	TE 300	BPD/GPM,	VOLUME	100	BBL/GAL
ESTIMATED F	RACTURE PRESSURE GRADIENT O		PSI/FO					
DESCRIBE TH	E SOURCE OF THE INJECTION FLUI	D Squirrel return wat	er and rur	al water				*
NOTE ▶	SUBMIT AN APPROPRIATE AN				T ON SEPAR	RATE SHE	ET)	
DESCRIBE TH SOLIDS COM	HE COMPATIBILITY OF THE PROPOS	ED INJECTION FLUID WIT	TH THAT OF	THE RECEIV	/ING FORMAT	TIONS, INCL	UDIUNG	TOTAL DISSOLVED
	en using these injection fluids ds consist of recycled formation			Tho issues	s. The lotting	auoris res _i	рона то	injection indicas. The
Squirrel is g generally 20	BILITY. middle, and lower Squirrel Sandenerally 30 feet thick with 21% of feet thick with 22% average poly.5% average porosity and 593	average porosity and orosity and 1,000 mil	d 172 milli lidarcy's a	darcy's ave verage per	erage perm	eability. T	he midd	dle Squirrel is
GIVE AN ACCI	JRATE DESCRIPTION OF THE CONF	INING ZONES INCLUDING	G LITHOLOG	GIC DESCRIP	TION, GEOLO	GIC NAME,	THICKNE	ESS, DEPTH, POROSITY,
below the sa Creek limest	g layers of the Squirrel Sandst andstone. The Fort Scott contai cone that has a total thickness chale with a total thickness of 2	ins two prominent sha of 30-50 feet. The Ve	ales, the E erdigris for	Blackwater mation con	Creek and sists of the	the Excel the Ardm	lo, as w ore lime	ell as the Blackjack
	VAILABLE LOGGING AND TESTING I							
GIVE A DETAIL (1/2 MILE RAD	LED DESCRIPTION OF ANY WELL NE IUS AROUND WELL). INCLUDE THE	EDING CORRECTIVE AC REASON FOR AND PROP	CTION THAT POSED COR	PENETRATE RECTIVE AC	S THE INJECTION.	TION ZONE	IN THE A	AREA OF REVIEW
No corrective	e action needed.							



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

INJECTION WELL SCHEMATIC

OGC-11



INSTRUCTIONS ON THE ABOVE SPACE DRAW A NEAT, ACCURATE SCHEMATIC DIAGRAM OF THE APPLICANT INJECTION WELL, INCUDING THE FOLLOWING: CONFIGURATION OF WELLHEAD, TOTAL DEPTH OR PLUG BACK TOTAL DEPTH, DEPTH OF ALL INJECTION OR DISPOSAL INTERVALS, AND THEIR FORMATION NAMES, LITHOLOGY OF ALL FORMATIONS PENETRATED, DEPTHS OF THE TOPS AND BOTTOMS OF ALL CASING AND TUBING, SIZE AND GRADE OF ALL CASING AND TUBING, AND THE TYPE AND DEPTH OF PACKER, DEPTH, LOCATION, AND TYPE OF ALL CEMENT, DEPTH OF ALL PERFORATIONS AND SQUEEZE JOBS, AND GEOLOGIC NAME AND DEPTH TO BOTTOM OF ALL UNDERGROUND SOURCES OF DRINKING WATER WHICH MAY BE AFFECTED BY THE INJECTION. USE BACK IF ADDITIONAL SPACE IS NEEDED, OR ATTACH SHEET.

RECEIVED

APR 24 2012

Well Schematic, Continued

Mo Oil & Gas Council

The surface casing is 7" in diameter and is new, limited service grade pipe. The 7" is drifted and tested to 7,000 lbs. and weighs 17 lbs. per foot. The surface casing will be set to a minimum depth of 20 feet and extend 6 inches above the surface. Approximately 8 sacks of Portland cement will be circulated to surface and will secure the well and ensure the contents of the well bore is sealed off from sources of drinking water. The production casing is used 2 7/8" EUE upset, drifted and tested to 7,000 lbs. No tubing will be ran in the injection wells, the injection fluid will be injected directly down the 2 7/8" casing. The total depth of the well will be approximately 650 feet drilled with a 5 5/8" bit. A 2 7/8" flapper type float shoe will be set at the base of the 2 7/8" casing pipe (645 feet) with centralizers installed to center the casing inside the well bore for better cement bonding. The 2 7/8" casing will be cemented from 650 feet to surface using a 2 7/8" rubber plug for displacing the cement. Approximately 100 sacks of high-grade Oil Well cement will be used to cement all wells. This cement will ensure that no contents of the pipe will leave the well bore. The top of the 2 7/8" casing will extend approximately one foot above ground level. After the cement has cured and effectively bonded to the 2 7/8" casing, perforations will be made in the Squirrel Sandstone formation from approximately 500-600 feet, depending on where the oil sand is present at this particular location. Wells will be shot with 3 perforations per foot where the squirrel sandstone oil reservoir is present and capable of water injection. No water sources are present at this depth and will not be affected by these perforations or the injection. The relevant sources of drinking water are located less than 20 feet below surface. The 7" surface pipe and durable Portland cement ensures these water sources will remain free from contamination from drilling and injection activity. Other sources of potential usable water may be present, however not always potable, in the Pennsylvanian and Mississippian formations located approximately 150 feet or deeper below the base of the Squirrel Sandstone.

The lithology of all formations penetrated by the wellbore are as follows:

Formation	Total Depth (feet)
Soil	0 - 2
Clay	2 – 6
Lime	6 – 28
Shale	28 – 49
Lime	49 – 64
Shale	64 – 69
Red Bed	69 – 78
Shale	78 – 82

Lime	82 – 87

Shale	431 – 443
Lime	443 – 448
Shale (Shale 452 – 453)	448 – 469
Gray Sand	469 – 471
Sdy. Shale (oil trace)	471 – 501
Very laminated Sand	501 – 502
Sandy Lime	502 – 503
Slightly lamin. Sand	503 – 504
Sandy Lime	504 – 505
Solid Sand	505 – 506.5
Shale	506.5 - 507
Slightly lamin. Sand	507 – 507.5
Sandy Shale	507.5 - 509.5
Solid Sand	509.5 - 510.5
Sandy Lime	510.5 – 511.5
Solid Sand	511.5 – 515.5
Sandy Lime	515.5 – 518
Solid Sand	518 – 520
Sandy Lime	520 – 521
Solid Sand	521 – 525
Sandy Lime	525 – 526
Laminated Sand	526 – 527
Sandy Shale	527 – 528.5
Sandy Lime	528.5 – 530
Solid Sand	530 – 533
Sandy Lime	533 – 534
Sandy Shale	534 – 535
Slightly laminated Sand	535 – 536.5

Sandy Lime	536.5 - 538



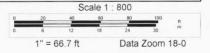
STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

INJECTION WELL LOCATION PLAT

Wansas Resource Exploration & Develo	noment IIC (KRED)	Mo	Oil & Gas Council
LEASE NAME	princin, LLO (N.N.E.D)	1AVVII	COUNTY
Belton Unit RW-24			Cass
WELL LOCATION	(GIVE FOOTAGE FROM		
4722 ft. from ☐ No	orth South section line	1441 ft. from ☑ East □	West section line
	e <u>33</u> ☐ East ☑ We	est	
LATITUDE , 53.6"		LONGITUDE , 18.5	124 Sec 9
N38 48. 8942 '		W94 34.3086'	138 360
		Sec. 16	BW - 2144
N			PW-66
		Belm	vit
		Believe	
			Clurk-Borry Lease
special project status sec 16 has an irregular			blase
shape.			4772
Sec. 10 is i.1 A	Miles from	N. to S.	
INSTRUCTION	IS	This is to certify that I have ex	ecuted a survey to accurately ordance with 10 CSR 50-2.030 and
On the above plat, show distance of the two nearest section lines, the nearest le nearest well on the same lease comple same reservoir. Do not confuse survey See rule 10 CSR 50-2.030 for survey remust be marked.	ease line, and from the ted in or drilling to the lines with lease lines.	that the results are correctly s	
REGISTERED LAND SURVEY			NUMBER

Data use subject to license.
© DeLorme. XMap® 7.
www.delorme.com





Report Date: 03/08/2012
Selected By: Half Mile Radius
Selection: 38 48 57 94 34 18
Depth: Total depth of the well
Case: Casing depth
Yield: Amount of water the well can produce (gallons per minute)
SWL: Static water fevel; constant level of water in the well

Ref Num Well Type Site Address
HEAT PUMP 17206 S. BENTON DR

BELTON

Last Name

RICHARD MATHER BUILDER, INC 13911 NORBY

Owner Address

Legal Description Report

Page - 1 of 1

GRANDVIEW

MO VERTICAL

Depth SQ MQ LQ Sec Twn Rng Dir Elev CaseYield SWL 180.0 NW 15 46 33 W

INSTRUCTIONS

completion of information, detailing the cement, casing, and subsurface casing information. In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

COLLIDICTION	- Condition	, actaining the centert,	casing, and subsuitace	upauliaca		casing information.		
LEASE	NET L	LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	DATE COMPLETED	CONSTRUCTION
Belton 12		569_ FROM (M/S) SEC LINE	K.R.E.D.	619'	0	04/08/1999	04/13/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
22		SEC. 16 T. 46 N.R. 33W						A 7)
Belton Unit	及	FROM (E) SEC LINE	K.R.E.D	600'	0	06/04/1999	06/10/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
FI	Dil	EC. 16 T. 46 N.R. 33W						
Betton Unit	A0 (FROM (B) SEC LINE	K.R.E.D	665'	0	02/29/2000	03/02/0200	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R 4	2013 FROM (E) SEC LINE	K.R.E.D	680'	0	03/02/2000	03/07/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	"	SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-5	168 FROM (N)S) SEC LINE	K.R.E.D	639'	0	04/23/2000	04/25/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	10	SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-6	171 FROM (B) (S) SEC LINE	K.R.E.D	608'	0	04/27/2000	04/28/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	10	SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-7	FROM (E) SEC LINE	K.R.E.D	646'	0	05/01/2000	05/02/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-8	STAFROM (E)(W) SEC LINE	K.R.E.D	655'	0	05/05/2000	05/08/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-9	241 SFROM (E) (W) SEC LINE	K.R.E.D	651'	0	05/03/2000	05/05/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
MO 780-1136 (02-11)	(0	SEC. 16 T. 46 N.R. 33W						
MO 780-1136 (02-11)								

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

MO 780-1136 (02-11)	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
	R-18	R-17	R-16	R-15	R-14	R-13	R-12	R-11	R-10	WELL NO.
SEC. 16 T. 46 N.R. 33W	ROM (E)(W)	FROM (B)(S) SEC LINE (FROM (E)(M)SEC LINE (FROM (E)	FROM (E) SEC LINE 25116 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	573 FROM (V)(s) SEC LINE (573) FROM (E)(M)SEC LINE (574) SEC. 16 T. 46 N.R. 33W	T.46	943 FROM (E) (1) SEC LINE SEC. 16 T. 46 N.R. 33W	FROM (N)(S) SEC LINE (S) FROM (E) (M) SEC LINE (E) (LINE (E) (LINE (E) (E) (E) (E) (E) (E) (E) (E) (E) (E	FROM (N)(S) SEC LINE SEC. 16 T. 46 N.R. 33W	1005 FROM(N)(S) SEC LINE 1930 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	LOCATION
	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
	914.5	686'	652.5'	621'	637'	620'	642'	626'	627'	DEPTH
	0	0	0	0	0	0	0	0	0	TYPE
	01/07/2004	01/29/2004	10/13/2003	12/15/2000	09/17/2001	05/22/2000	05/16/2000	05/10/2000	05/15/2000	DATE SPUDDED
	01/09/2004	01/30/2004	10/15/2003	12/20/2000	09/19/2001	05/24/2000	05/18/2000	05/12/2000	05/16/2000	DATE COMPLETED
	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	CONSTRUCTION

INSTRUCTIONS

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INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

IEASE	WELL	LOCATION	OWNER	DEPTH	TYPE	DATE	DATE	CONSTRUCTION
	NO.	EBOMAN SECTIVE		1		SPUDDED	COMPLETED	
Belton Unit	R -3	FROM (E) SEC LINE	K.R.E.D.	635'		=	<u>^</u>	4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W				(C	
Belton Unit	RI-4	800	K.R.E.D	641'	-	08/25/2000	08/29/2000	4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	<u>R</u> -5	790_FROM (B) (W) SEC LINE	K R F D	637'		<i>-</i>		4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W					C	
Belton Unit	RI-6	367 FROM (N)(S) SEC LINE	K.R.E.D	644'		1)		4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W				,	<	
Belton Unit	WSW-	WSW-13521 FROM (E(W) SEC LINE	K.R.E.D	891'	V	04/16/2001	04/14/2001	
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	C-18	110 FROM (N)(S) SEC LINE	K.R.E.D	571'	Plugged	U	C	Squeezed
		11->					•	
Belton Unit	RW-7	374 FROM())(S) SEC LINE	K.R.E.D	638'		02/10/2004	02/11/2004	4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	RW-8	FROM (E) SEC LINE	K.R.E.D	641.5'	-	02/12/2004	02/13/2004	4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	RW-9	-9 17 TO-ROM (E/W) SEC LINE	K.R.E.D	647.5'	-	01/13/2004	01/15/2004	4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
MO 780-1136 (02-11)								

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

						SEC. 9 T. 46 N.R. 33W	MO 780-1136 (02-11)
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	C	08/31/1987	0	637'	K.R.E.D	FROM (E)	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	12/10/2007	12/06/2007	0	657'	K.R.E.D	220 FROM (N(S)SEC LINE AD-2 2000 FROM (E)W) SEC LINE SEC. 9 T. 46 N.R. 33W	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	01/04/2008	12/03/2007	0	615'	K.R.E.D	AD-1 220 FROM (N) SEC LINE SEC. 9 T. 46 N.R. 33W	Belton Unit
4 1/2" casing cemented to surface	Z/A	12/08/2008	-	661'	K.R.E.D	RW-19 825 FROM (N)SEC LINE RW-19 SEC. 16 T. 46 N.R. 33W	Belton Unit F
4 1/2" casing cemented to surface	NA	12/02/2008	-	660'	K.R.E.D	RW-16 5EC, 16 T. 46 N.R. 33W	Belton Unit F
4 1/2" casing cemented to surface	N/A	11/26/2008	-	660'	K.R.E.D	RW-15 26 FROM (N) SEC LINE RW-15 16 T. 46 N.R. 33W	Belton Unit F
4 1/2" casing cemented to surface	02/09/2004	02/06/2004	-	697'	K.R.E.D	RW-13 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	Belton Unit R
4 1/2" casing cemented to surface	02/06/2004	02/04/2004	-	652'	K.R.E.D	PH FROM (S) SEC LINE RW-11 830 FROM (E) (SEC LINE SEC 16 T. 46 N.R. 33W	Belton Unit F
4 1/2" casing cemented to surface	02/03/2004	02/02/2004	-	678'	K.R.E.D.	RW-10 FROM (E) SEC LINE RW-10 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	Belton Unit R
CONSTRUCTION	DATE COMPLETED	DATE SPUDDED	TYPE	DEPTH	OWNER	WELL LOCATION	LEASE
		ווסווומנוסוו.	- Ganis	Supaniaca	, casing, and	completion of information, detailing the content, casing, and substitute casing information.	Completion

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

Compionor. C.		dion, domining the comment,	Caomig, and	20001100	o odonig ii	To The Grand I.		
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	DATE COMPLETED	CONSTRUCTION
Belton Unit	AD-4	FROM (N) SEC LINE	K.R.E.D.	666'	0	07/14/1987	07/16/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-5	220 FROM (N)SEC LINE FROM (E)(M)SEC LINE	K.R.E.D	679'	0	06/21/1987	06/25/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						
Belton Unit	AD-6	FROM (E) (M) SEC LINE	K.R.E.D	708'	0	01/31/2008	02/19/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						
Belton Unit	AD-7	FROM (B) SEC LINE	K.R.E.D	630'	0	12/12/2007	12/14/2007	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						
Belton Unit	AD-8	6	K.R.E.D	622'	0	05/14/1999	05/27/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						
Belton Unit	AD-9	500	K.R.E.D	662'	0	08/25/1987	1861-N	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						
Belton Unit	AD-10	FROM (E) SEC LINE	K.R.E.D	659'	0	05/25/1987	07/21/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						
Belton Unit	AD-11	AD-11 FROM (E) SEC LINE	K.R.E.D	665'	0	E861-[1 T80-11	1891-(1	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W				0 111 3		
Belton Unit	AD-12	FROM (E) SEC LINE	K.R.E.D	710'	0	01/23/2008	02/26/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						
MO 780-1136 (02-11)								

INSTRUCTIONS

completion of information, detailing the cement, casing, and subsurface casing information. In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

	•	, S		. C			
LEASE WELL	LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	DATE COMPLETED	CONSTRUCTION
Belton Unit AD-13	AD-13 FROM (NS) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D.	700'	Plugged	12/21/2007	Z P	Cemented from bottom to top on 12/27/2007
Belton Unit AD-14	(3/6)	K.R.E.D	609'	0	04/21/1999	05/13/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit AD-15	210 FROM (N)(5) BEC LINE 2001 FROM (E) (W) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	617'	0	11/13/1989	11/14/1989	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit AD-16	1100 FROM (N/S) SEC LINE 1225 FROM (E)(0) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	666'	0	07/23/1987	1881-U	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit AD-17	165 FROM (N)(6))SEC LINE 1657 FROM (E)(10)SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	647'	0	U	C	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit AD-18		K.R.E.D	676.5'	0	01/02/2008	02/26/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit AD-21	FROM (NS)SEC LINE FROM (E)(M)SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	656'	0	09/11/2003	09/12/2003	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit AD-22	1531 FROM (N) SUBEC LINE 1312 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	650'	0	06/13/1999	06/18/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit AD-23	FROM (N) SEC LINE (N) SEC LINE (N) SEC LINE (N) SEC LINE (N) SEC. 9 T. 46 N.R. 33W	K.R.E.D	644'	0	09/09/2003	09/11/2003	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
MO 780-1136 (02-11)							

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

LEASE	WELL NO.		OWNER	DEPTH	TYPE	SP	DATE	PUDDED COMPLETED
Belton Unit	AD-24		K.R.E.D.	672.5	0	12/27	12/27/2007	/2007 02/06/2008
Belton Unit	AD-28	111 FROM (N/S) 1115 FROM (E) (N/S) SEC. 9 T. 46	K.R.E.D	629'	0	07/08	07/08/1999	07/14/1999
Belton Unit	AD-29	SEC. 9	K.R.E.D	625'	0	06/1	06/18/1999	8/1999 07/07/1999
Belton Unit	ADI-18	1151 FROM (N/C) 1100 FROM (E) (M) 1100 FROM (E) (E) (M) 1100 FROM (E) (M) 1100 FROM (E) (M) 1100 FROM	K.R.E.D	651.5'	-	10/09	10/09/2003	9/2003 10/10/2003
Belton Unit	ADI-19		K.R.E.D	654.5'	_	10/0	10/07/2003	17/2003 10/08/2003
Belton Unit	ADI-24	394 FROM (N)(8) 3(02) FROM (E)(14) SEC. 9 T. 46	K.R.E.D	662'	-	09/1	09/16/2003	6/2003 09/17/2003
Belton Unit	ADI-25		K.R.E.D	651.5'	-	09/1	09/12/2003	2/2003 09/15/2003
Belton Unit	ADI-26		K.R.E.D	650.5'	-	09/1	09/17/2003	7/2003 09/19/2003
Belton Unit	ADI-27	SEC. 9 T. 46	K.R.E.D	674.1'	-	01/0	01/04/2008	4/2008 04/16/2008

INSTRUCTIONS

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						SEC. 9 T. 46 N.R. 33W)2-11)	MO 780-1136 (02-11)
4 1/2" casing cemented to surface	_	<u></u>	-	664'	K.R.E.D	FROM (N)(S		Belton Unit
4 1/2" casing cemented to surface	~	U	-	631'	K.R.E.D	ADI-39 441 FROM (N.S.) SEC LINE ADI-39 SEC. 9 T. 46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	04/16/2008	12/17/2007	-	668.9'	K.R.E.D	ADI-38 FROM (N) SEC LINE FROM (N) SEC LINE SEC. 9 T. 46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	04/16/2008	12/13/2007	· — :	618.2	K.R.E.D	ADI-37 220 FROM (N)(S) SEC LINE SEC. 9 T. 46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	0	<	_	663	K.R.E.D	ADI-34 19210-ROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	\cup	~	-	642'	K.R.E.D	ADI-33 SEC. 9 T. 46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	V	<u>ر</u>	-	649'	K.R.E.D	ADI-32 FROM (NS) SEC LINE ADI-32 SEC. 9 T. 46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	06/04/1999	05/27/1999	_	633'	K.R.E.D	ADI-31 860 FROM (N) SEC LINE SEC. 9 T. 46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	04/16/2008	12/19/2007	-	627.7'	K.R.E.D.	ADI-30 FROM (N/S) SEC LINE ADI-30 FROM (B)(W) SEC LINE SEC. 9 T. 46 N.R. 33W	nit ADI	Belton Unit
CONSTRUCTION	DATE COMPLETED	DATE SPUDDED	TYPE	DEPTH	OWNER	LEASE WELL LOCATION OWNER DEPTH TYPE SPUDDED	WE	LEASE

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other completion of information, detailing the cement, casing, and subsurface casing information. - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

		9	9		3				
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION	
Belton Unit	ADI-41	442 FROM (N) SEC LINE	K.R.E.D.	600' est	-		<	4 1/2" casing cemented to surface	
		SEC. 9 T. 46 N.R. 33W				(
		FROM (NS) SEC LINE						4 1/2" rasing remented to surface	
Belton Unit	OH-1	ALDIOFROM (E)(WSEC LINE	K.R.E.D	600' est	0			2 3/8" tubing 3/4" rods and insert pump	
		SEC. 16 T. 46 N.R. 33W				((
		FROM (S) SEC LINE						4 1/2" casing comented to surface	
Belton Unit	OH-2	SUS1 FROM (E) SEC LINE	K.R.E.D	600' est	0	_		2 3/8" tubing 3/4" rods and insert pump	
		SEC. 16 T. 46 N.R. 33W				<	<		
		PROM N(S) SEC LINE						4 1/2" casing cemented to surface	
Belton Unit	OH-3	SUDS FROM (E)(SEC LINE	K.R.E.D	600' est	0	_		2 3/8" tubing 3/4" rods and insert pump	
		SEC. 16 T. 46 N.R. 33W				((
Belton Unit	OH-4	FROM (E)(W)SEC LINE	K.R.E.D	600' est	0			4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	
		SEC. 16 T. 46 N.R. 33W		34		<	C		
Belton Unit	0Н-5	833 FROM (S) SEC LINE	K.R.E.D	600' est	0		()	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	
		SEC. 16 T. 46 N.R. 33W				<	<		
Belton Unit	0H-6	919 FROM (N)(S) SEC LINE	K.R.E.D	600' est	Plugged	()	-	Squeezed cement into formation to surface	
		SEC. 16 T. 46 N.R. 33W				<	<		f
Relton Unit	OH-7	753 FROM (N)(S) SEC LINE				1)		Squeezed cement into formation to surface	
		4 40		000	- 109900	<	<		
		138 FROM (NIVS) SECTINE							
Belton Unit	9-HO	FROM (E)(W) SEC LINE	X R T J	600 est	Plugged	_		Squeezed cement into formation to surface	
		SEC. 16 T. 46 N.R. 33W			(<	,		
MO 780-1136 (02-11)	_								

INSTRUCTIONS

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	WE!							
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	DATE	CONSTRUCTION
Belton Unit	OH-9	FROM (E) SEC LINE	K.R.E.D.	600' est	Plugged	C		Squeezed cement into formation to surface
		SEC. 16 T. 46 N.R. 33W					<	
		(4)				,		A 1/9" posing computed to surface
Belton Unit	UK-1	1500 FROM (B) (W) SEC LINE	K.R.E.D	C	0	_		2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W					(
		FROM (N) SEC LINE						4 4 / 0 0 0 0 0 0 0 0 0 0
Belton Unit	UK-2	HTGFROM (B)(W) SEC LINE	K.R.E.D	_	0			2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W				(<	
		5908 FROM (N)SSEC LINE						4 4 10 11
Belton Unit	UK-3	FROM (B)(W) SEC LINE	K.R.E.D	_	0	<u></u>	_	2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W					<	
Clark-Berry	CB-1	FROM (E)(W) SEC LINE	K.R.E.D	625'	0	03/22/1999		2 7/8" with 1" tubing and insert pump
		SEC. 16 T. 46 N.R. 33W					<	4
Clark-Berry	CB-2	OOU FROM (E) (N) SEC LINE	K.R.E.D	625'	0		_	2 7/8" with 1" tubing and insert pump
		SEC. 16 T. 46 N.R. 33W				<		
Clark-Berry	CB-3	FROM (E) (N) SEC LINE	K.R.E.D	625'	0	03/25/1999	03/30/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Clark-Berry	CB-4	FROM (B) (S) SEC LINE	K.R.E.D	619'	0	03/30/1999	04/02/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Clark-Berry	CBI-1	FROM (B)(S) SEC LINE	X R FI	629'	-	03/22/1999	03/35/1000	4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W					1	
MO 780-1136 (02-11)								

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MO 780-1136 (02-11)																										Clark-Berry		LEASE
																										CBI-2		WELL NO.
	SEC. T. N.R.	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SEC. T. N.R.	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SECTN.R	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SEC. T. N.R.	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SEC T N.R	 FROM (N)(S) SEC LINE	1	SEC T NB	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SECTN.R	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SECTN.R	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SEC. 16 T. 46 N.R. 33W	37	PEROM (N)(S) SECTINE	LOCATION
																										K.R.E.D.		OWNER
																										634'		DEPTH
																										-		TYPE
							1																			04/02/1999		DATE
					L						1															04/07/1999		DATE
																										4 1/2" casing cemented to surface		CONSTRUCTION

RECEIVED

APR 27 2012

Mo Oil & Gas Council

AFFIDAVIT OF PUBLICATION

(Space above for recording information)

STATE OF MISSOURI COUNTY OF CASS

22

I, Janis Anslinger, being duly sworn according to law, state that I am the Classified Ad Manager of the Cass County Democrat-Missourian, a weekly newspaper of general circulation in the County of Cass, State of Missouri, where located; which newspaper has been admitted to the Post Office as periodical class matter in the City of Harrisonville, Missouri, the city of publication; which newspaper has been published regularly and consecutively for a period of three years and has a list of bonafide subscribers, voluntarily engaged as such who have paid or agreed to pay a stated price for a subscription for a definite period of time, and that such newspaper has complied with the provisions of Section 493.050, Revised Statutes of Missouri 2000, and Section 59.310, Revised Statutes of Missouri 2000. The affixed notice appeared in said newspaper in the following consecutive issues:

14 Insertion: Vol. 12	8 No. 2	6.1	3 day of A	pr 20 12.
2 ² Insertion: Vol	No		day of	20
3º Insertion: Vol				
4º Insertion: Vol	No		day of	20
5ª Insertion: Vol	/		/1	
	Ja	us C	luste	nger
Subscribed and sw	orn to bef	ore me o	rer, Classified on this 19 c	Advitanager

___. 20 12

DEREK PIERCE
Notary Public - Notary Seal
STATE OF MISSOURI
Bates County
My Commission Expires: Jan. 21, 2013
Commission # 09734596

NOTICE

Kansas Resource Exploration & Development, LLC, 9393 W 110th St., Ste. 500, Overland Park, KS, 662 ID, has applied for 33 injection well permits to be drilled to an approximate depth of 650 feet. Water will be injected into the Squirrel Sandstone formation for an Enhanced Oil Recovery Project at the following locations.

##W-20 5,150 from line, Section 16, Township 46N, Range 33W ##W-21 5,160 from line, Section 16, Township 46N, Range 33W line/1.23 from line, Section 16, Township 46N, Range 33W line/1.23 from line, Section 16, Township 46N, Range 33W line/1.43 from line, Section 16, Township 46N, Range 33W line/1.43 from line, Section 16, Township 46N, Range 33W line/1.43 from line, Section 16, Township 46N, Range 33W line/1.43 from line, Section 16, Township 46N, Range 33W line/1.44 from line, Section 16, Township 46N, Range 33W line/1.85 from line, Section 16, Township 46N, Range 33W line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 from line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 line/1.45 from line, Section 16, Township 46N, Range 33W line/1.45 line/1.45 from line, Section 9, Township 46N, Range 33W line/1.45 line/1.45 from line, Section 9, Township 46N, Range 33W line/1.45 from Sline/1.290 from line, Section 9, Township 46N, Range 33W line/1.45 from Sline/1.290 from line, Section 9, Township 46N, Range 33W lin

State Geologist Missquri OH & Gas Council P.O. Box 250 Rolla, MO 65401

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